

**Block 4 Immunity and Infection - 2012-2013 Course Calendar**

**WEEK 1**

	20-Aug M	21-Aug Tu	22-Aug W	23-Aug Th	24-Aug F
8:00	<b>Immunity and Infection Course Intro 8:30 AM Novella All lecturers present</b>	Time for Independent project and cases	Project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00		Basic Immunology 3 Innate killing Pan	8:30AM Basic Immunology 6 B cells and Ig Worth	Basic Immunology 10 MHC & T-cell receptor Worth	Basic Immunology 13 Cytokines Stepkowski
10:00		Basic Immunology 4 TCR & Ig diversity Stepkowski	Basic Immunology 7, 8  Complement  Ferreira	Basic Immunology 11 T-cell development Worth	Basic Immunology 14, 15  Hypersensitivity  Pan
11:00	Basic Immunology 2 Intro to adaptive immunity Pan	Basic Immunology 5 B-cell development Stepkowski	Basic Immunology 9 Immunological assays Takashima	Basic Immunology 12 T-cell responses Worth	
12:00					
1:00	Study time  → <b>Organ systems course in in pink usually on Tu and Th afternoon</b> →	Organ Systems Course Introduction; Intro to Pharmacology Rosenberg	Study time	Organ Systems Signal Transduction & Drug Discovery Sanchez	Time for POPS <b>Bee careful</b> Pan, Wooten
2:00				Study time	Time for Practice Questions <b>(completion due on 8/26)</b>
3:00					
4:00		Study time			

<b>Week 1</b>
<b>Cases</b> <u>Immunology</u> 1, 2, 5, 6, 14, 20, 30, 31, 49
<u>Microbiology</u> None
<b>Independent Project</b> <b>Maternal Immunity</b>
 <b>Self study</b>
<b>Advances in Hygiene &amp; Control of Infectious Diseases</b>

**WEEK 2**

	27-Aug M	28-Aug Tu	29-Aug W	30-Aug Th	31-Aug F
8:00	<b>Immunity &amp; Infection Quiz 1 Testing center personnel Students be there by 8:20 Review immediately after</b>	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00		Virology 3 RNA viruses I Sawicki	Virology 6 Childhood viruses Novella	Virology 9 Papovaviruses & Poxviruses Sawicki	Virology 12, 13  Zoonoses
10:00		Virology 4 RNA viruses II Novella	Virology 7 GI viruses Sawicki	Virology 10, 11  Herpesviruses	Novella
11:00	Virology 2 DNA viruses Sawicki	Virology 5 Respiratory viruses Novella	Virology 8 Parvovaviruses Sawicki	Novella	Time for Practice Questions <b>(completion due on 9/2)</b>
12:00					
1:00	Study time	Organ Systems Beavis Drug Properties, Transport & Absorption	Study time	Organ Systems Beavis Drug Absorption and Distribution	Time for POPS <b>Painful rash</b> Sawicki, Novella
2:00				Study time	Study time
3:00		Study time			
4:00					

<b>Week 2</b>
<b>Cases</b> <u>Immunology</u> 3, 7, 15, 16, 50
<u>Microbiology</u> 1, 5, 6, 28, 43, 44, 73, 77, 89
<b>Independent project s</b> <b>Disinfectants</b>

**Block 4 Immunity and Infection - 2012-2013 Course Calendar**

**WEEK 3**

	3-Sep M	4-Sep Tu	5-Sep W	6-Sep Th	7-Sep F
8:00	Holiday  Labor Day		Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00		<b>Immunity &amp; Infection Quiz 2</b> <b>Testing center personnel</b> Students be ready by 8:30 Review immediately after	Virology 16 Retroviruses Novella	Antibiotics 1 Cephalosporins Hinds	Antibiotics 4 Other beta lactams Hinds
10:00		Virology 14, 15  Hepatitis viruses	Bacteriology 1 Intro to infectious agents Blumenthal	Antibiotics 2 Intro to antibiotics Hinds	Antibiotics 5 Macrolids & tetracyclins Hinds
11:00		Sawicki	Bacteriology 2 Bacterial growth and walls Blumenthal	Antibiotics 3 Penicillins Hinds	Time for Practice Questions (completion due on 9/9)
12:00					
1:00		Organ Systems Beavis Drug Elimination: Excretion and Biotransformation	Virology Demo group A	Organ Systems Beavis Pharmacokinetics	Time for POPS <b>Hepatitis</b> Sawicki, Novella
2:00			Virology Demo Group B		
3:00			Virology Demo Group C		
4:00		Study time	Study time	Study time	Study time

<b>Week 3</b>
<b>Cases</b> <u>Immunology</u> 4, 8, 9, 24, 26, 51
<u>Microbiology</u> 2, 13, 14, 27, 33, 53, 88
<b>Independent project</b> <b>Vaccine development</b>

**WEEK 4**

	10-Sep M	11-Sep Tu	12-Sep W	13-Sep Th	14-Sep F
8:00		Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00	<b>Immunity &amp; Infection Quiz 3</b> <b>Testing center personnel</b> Students be there by 8:20 Review immediately after	Bacteriology 3 Endotoxin Pan	Bacteriology 6 Borrelia Wooten	Bacteriology 9 Bacillus Wooten	Bacteriology 12 Strep 1 Huntley
10:00	Antibiotics 6 Aminoglyc.&nucleic acid Hinds	Bacteriology 4 Normal flora & attachment Novella	Bacteriology 7 Treponema Blumenthal	Bacteriology 10 Clostridium Wooten	Bacteriology 13 Strep 2 Huntley
11:00	Antibiotics 7 Antimycobacterials Hinds	Bacteriology 5 Mycoplasma Huntley	Bacteriology 8 Mycobacterium Huntley	Bacteriology 11 Legionella Blumenthal	Time for Practice Questions (completion due on 9/16)
12:00					
1:00	Study time	Organ Systems Beavis Pharmacokinetics	Time for POPS <b>Tuberculosis</b> Huntley, Blumenthal	Organ Systems Beavis Variation in Response to Drugs	Virology REVIEW  Sawicki
2:00					
3:00					
4:00		Study time	Study time	Study time	Study time
5:00					

<b>Week 4</b>
<b>Cases</b> <u>Immunology</u> 12, 25, 32, 35
<u>Microbiology</u> 3, 11, 12, 25, 26, 41, 42 57, 59, 78, 83
<b>Independent project</b> <b>Probiotics</b>

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**WEEK 5**

	17-Sep M	18-Sep Tu	19-Sep W	20-Sep Th	21-Sep F
8:00		Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00	<b>Immunity &amp; Infection Quiz 4</b> <b>Testing center personnel</b> Students be there by 8:20 Review immediately after	Bacteriology 16 Coryneb. & Actinomycetes Wooten	Bacteriology 19 Rickettsia Wooten	Bacteriology 22 Enterobacteria 2 Blumenthal	Time for POPS <b>Tetanus</b> Wooten, Pan
10:00	Bacteriology 14 Staph 1 Muldrew	Bacteriology 17 Neisseria, Moraxella Wooten	Bacteriology 20 Vibrio, Campy, Helico Blumenthal	Bacteriology 23 Enterobacteria 3 Blumenthal	
11:00	Bacteriology 15 Staph 2 Muldrew	Bacteriology 18 Pseudomonas Novella	Bacteriology 21 Enterobacteria 1 Blumenthal	Bacteriology 24 Chlamydia Wooten	Time for Practice Questions (completion due on 9/25)
12:00					
1:00		Organ Systems Beavis	Organ Systems Gohara, Introduction to	Organ Systems Booth	
2:00		Toxicology: Pharmacokinetic Principles	Pathology Booth, Cell Injury	Hemodynamic disorders, thromboembolic disease and shock	
3:00	Study time				Study time
4:00		Study time	Study time	Study time	
5:00					

<b>Week 5</b>
<b>Cases</b> <u>Immunology</u> 3, 17, 27, 52
<u>Microbiology</u> 4, 21, 23, 29, 35, 38, 40 54, 66, 67, 76
<b>Independent project</b> <b>Food safety &amp; bacterial toxins</b>

**WEEK 6**

	24-Sep M	25-Sep Tu	26-Sep W	27-Sep Th	28-Sep F
8:00					
9:00	<b>Immunity &amp; Infection Quiz 5</b> <b>Testing center personnel</b> Students be there by 8:20 Review immediately after				
10:00					TIME OFF
11:00					
12:00	REST OF DAY OFF	DAY OFF	DAY OFF	DAY OFF	
1:00	FOR STUDY	FOR STUDY	FOR STUDY	FOR STUDY	<b>Immunity &amp; Infection</b> <b>Starts 1:00 PM</b> <b>SUMMATIVE</b> <b>EXAM 1</b>
2:00					
3:00					
4:00					<b>Be there at 12:40 PM</b>

<b>Week 6</b>
<b>Cases</b> <u>Immunology</u> None
<u>Microbiology</u> None
<b>No Independent Project</b>

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**WEEK 7**

7	1-Oct M	2-Oct Tu	3-Oct W	4-Oct Th	5-Oct F
8:00	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00	Bacteriology 25 Haemophilus, Bordetella Mukundan	Bacteriology 29 Evading host defenses Worth	Mycol/Parasitol 3 Intro to worms & Cestodes Ferreira	Mycol/Parasitol 5, 6  Nematodes Ferreira	Time for POPS <b>Immunodeficiency</b> Worth, Stepkowski
10:00	Bacteriology 26 Anaerobes Wooten	Mycol/Parasitol 1, 2  Protozoa Ferreira	Mycol/Parasitol 4 Trematodes Ferreira		Clinical Immunology 1 Complement diseases Ferreira
11:00	Bacteriology 27 Francisella, Brucella Huntley		Bacteriology lab training Blumenthal		
12:00					
1:00	Bacteriology 28 Zoonoses Wooten	<b>Organ Systems Cell Injury LABORATORY</b> <i>Prepare beforehand</i>	Bacteriology Lab 1 Group C	<b>Organ Systems Cell Injury SMALL GROUP</b> <i>Prepare beforehand</i>	Study time
2:00	<b>Immunity &amp; Infection</b>		Bacteriology Lab 1 Group A		
3:00	<b>SUMMATIVE EXAM 1 REVIEW</b> <i>2:00 - 4:15 PM</i>	Study time	Bacteriology Lab 1 Group B	Study time	
4:00					
5:00					

**Week 7**

**Cases**

Immunology  
18, 28, 38, 43

Microbiology  
8, 31, 37, 46, 47, 48  
49, 61, 80, 82

**Independent project**  
**Vaccine development**

**WEEK 8**

	8-Oct M	9-Oct Tu	10-Oct W	11-Oct Th	12-Oct F
8:00	<b>Immunity &amp; Infection Quiz 6</b>	<b>DAY OFF</b>  <b>FOR STUDY</b>	<b>ORGAN Systems EXAM</b> starts at 8:00 AM be here by 7:45 AM	Time for Independent project and cases	Time for Independent project and cases
9:00	<b>Testing center personnel</b> Students be there by 8:20 Review immediately after			Antimicrobials 3 Interferons Sawicki	Mycol/Parasitol 7 Introduction Mahmoud-Ghannoum
10:00	Infectious Diseases 1, 2		Antimicrobials 1, 2	Antimicrobials 4, 5	Mycol/Parasitol 8 Physiology & antifungals Mahmoud-Ghannoum
11:00	Tuberculosis  Duggan		Antivirals  Sawicki	Antibiotic Resistance  Blumenthal	Mycol/Parasitol 9 Dermatophytes Mahmoud-Ghannoum
12:00					
1:00	Bacteriology Lab 2 Group B		Bacteriology Lab 3 Group A	Antimicrobials 6 Testing Novella	Time for Practice Questions (completion due on 10/14)
2:00					Study time
3:00	Bacteriology Lab 2 Group C		Bacteriology Lab 3 Group B		
4:00	Bacteriology Lab 2 Group A		Bacteriology Lab 3 Group C		

**Week 8**

**Cases**

Immunology  
19, 21, 29, 41

Microbiology  
7, 15, 24, 30, 68, 71  
74, 75, 84, 85

**Independent projects**  
**Antiprotozoa**

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**WEEK 9**

	15-Oct M	16-Oct Tu	17-Oct W	18-Oct Th	19-Oct F
8:00		Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00	<b>Immunity &amp; Infection Quiz 7</b> <b>Testing center personnel</b> Students be there by 8:20 Review immediately after	Mycol/Parasitol 12 Subcutaneous/systemic Mukundan	Clinical Immunology 4 Autoimmunity II Kahaleh		Time for POPS <b>Transplantation</b> Stepkowski, Takashima
10:00	Mycol/Parasitol 10 Opportunistic II Mukundan	Clinical immunology 2, 3	Clinical Immunology 7, 8	Clinical Immunology 9 Transplantation II Stepkowski	
11:00	Mycol/Parasitol 11 Opportunistic I Westerink	Autoimmunity I  Pan	Transplantation I  Rees	Clinical Immunology 6 Blood transfusion Stepkowski	Time for Practice Questions (completion due on 10/21)
12:00					
1:00	Infectious Diseases 3 STDs Duggan	Organ Systems Gohara Inflammation	Organ Systems Gohara Inflammation	<b>Organ Systems Inflammation</b> <b>LABORATORY</b> <i>Prepare beforehand</i>	Study time
2:00	Infectious Diseases 4 AIDS Duggan				
3:00					
4:00	Study time	Study time	Study time	Study time	

**Week 9**

**Cases**

Immunology  
11, 36, 39, 46

Microbiology  
16, 18, 22, 32, 51, 62,  
69, 70, 87, 91

**Independent project**  
**Ectoparasites**

**WEEK 10**

	22-Oct M	23-Oct Tu	24-Oct W	25-Oct Th	26-Oct F
8:00		Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00	<b>Immunity &amp; Infection Quiz 8</b> <b>Testing center personnel</b> Students be there by 8:20 Review immediately after	Clinical Immunology 12, 13	Clinical Immunology 5 Cancer and Editing Worth	Infectious Diseases 9 Immunocompromised II Georgescu	Time for POPS
10:00	Clinical Immunology 10, 11	Immunopharmacology III & IV  Beavis	Infectious Diseases 5, 6  CNS	Infectious Diseases 10 Nosocomial Georgescu	<b>Opportunistic Infections</b> Blumenthal, Ferreira
11:00	Immunopharmacology I & II  Beavis	Clinical Immunology 14 Immunodeficiencies Takashima	Ali	Infectious Diseases 11 Respiratory Westerink	Time for Practice Questions (completion due on 10/28)
12:00					
1:00	Study time	Organ Systems Gatto-Weis Neoplasia	Infectious Diseases 7 Sepsis & Fever Georgescu	Organ Systems Gatto-Weis Neoplasia	Study time
2:00			Infectious Diseases 8 Immunocompromised I Georgescu		
3:00		Study time	Study time	Study time	
4:00					

**Week 10**

**Cases**

Immunology  
22, 37, 40, 44

Microbiology  
9, 10, 19, 20, 39, 58, 65  
71, 72, 79, 35

**Independent project**  
**Antihelminths & Insecticides**

**Block 4 Immunity and Infection - 2012-2013 Course Calendar**

**WEEK 11**

	29-Oct M	30-Oct Tu	31-Oct W	1-Nov Th	2-Nov F
8:00		Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases	Time for Independent project and cases
9:00	<b>Immunity &amp; Infection Quiz 9</b> <b>Testing center personnel</b> Students be there by 8:20 Review immediately after	Infectious Diseases 16 Congenital Mukudan		Infectious Diseases 18 Skin & Soft Tissue Georgescu	Time for POPS
10:00	Infectious Diseases 13 Gastrointestinal Westerink	Infectious Diseases 17 Psychosociology Wryobeck	Virology REVIEW  Novella	Study time	<b>Infection of the Elderly</b> Blumenthal, Worth
11:00	Infectious Diseases 14 Food Safety Westerink	Study time			Time for Practice Questions <b>(completion due on 11/4)</b>
12:00					
1:00	Infectious Diseases 15 UTIS Georgescu	<b>Organ systems Neoplasia LABORATORY</b> <i>Prepare beforehand</i>	Organ Systems Hinds Antineoplastic Drugs	Organ Systems Hinds Antineoplastic Drugs	Study time
2:00	Study time				
3:00					
4:00		Study time	Study time	Study time	

**Week 11**

**Cases**  
Immunology  
33, 34, 42, 53

Microbiology  
17, 34, 36, 45, 46, 50, 52  
55, 56, 63, 64, 69, 86

**Independent project**  
Bioterrorism  
Epidemiology

**WEEK 12**

	5-Nov M	6-Nov Tu	7-Nov W	8-Nov Th	9-Nov F
8:00		TIME OFF			
9:00	<b>Immunity &amp; Infection Quiz 10</b> <b>Testing center personnel</b> Students be there by 8:20 Review immediately after				
10:00					
11:00	REST OF DAY OFF	DAY OFF	DAY OFF	DAY OFF	
12:00					
1:00	FOR STUDY	FOR STUDY	FOR STUDY	FOR STUDY	<b>Immunity &amp; Infection</b> <b>Starts 1:00 PM</b> <b>SUMMATIVE</b> <b>EXAM 2</b>  <b>Be there at 12:40 PM</b>
2:00					
3:00					
4:00					

Block 4 Immunity and Infection - 2012-2013 Course Calendar

	12-Nov M	13-Nov Tu	14-Nov W	15-Nov Th	16-Nov F
WEEK 13					
8:00	DAY OFF	ORGAN Systems EXAM starts at 8:00 AM be here by 7:45 AM	DAY OFF	DAY OFF	TIME OFF
9:00					
10:00		Immunity & Infection			
11:00		SUMMATIVE EXAM 2 REVIEW 10-15-12:30 PM			
12:00					
1:00	FOR STUDY	TIME OFF	FOR STUDY	FOR STUDY	Immunity & Infection Starts 1:00 PM COMPREHENSIVE EXAM  Be there at 12:40 PM
2:00					
3:00	FOR STUDY				
4:00					
5:00					

Basic Immunology
Exams/quizzes
Bacteriology
Antibiotics
Practice questions
POPS
Virology
Labs/Demos
Mycol/Parasitology
Infectious Diseases
Exam review
Organ systems
OS exams
Study days/holidays
Clinical Immunology
Antimicrobials

WEEK 14	19-Nov M	20-Nov Tu	21-Nov W		
8:00					
9:00				<b>Textbooks:</b> 1. The Immune System, 3rd Ed. 2009, Garland Scientific, Parham, P. 2. Human Virology, 4th Ed. 2012, Oxford University Press, Collier, L. 3. Medical Microbiology, 6th Ed. 2009, Elsevier, Murray et al. 4. Basic & Clinical Pharmacology, 11th Ed. 2009, McGraw-Hill, Katzung et al. 5. Case Studies in Immunology, 6th Ed. 2012, Garland Science, Geha, R., & Rosen, F. 6. Problem-Based Microbiology, 2006, Saunders: Elsevier, Nath, S.K., & Revankar, S.G.	
10:00					
11:00					
12:00					
1:00					
2:00	<b>Immunity &amp; Infection</b> <b>COMPREHENSIVE EXAM REVIEW</b> 1-15-3:30 PM				
3:00				Students should always review any additional handout materials placed on the website	
4:00					
5:00					

<b>Teaching Faculty</b>
Andrew Beavis
Robert Blumenthal
Joan Duggan
Viviana Ferreira
Claudiu Georgescu
Mahmoud Ghannoum
Terry Hinds
Jason Huntley
Bashar Kahaleh
Deepa Mukundan
Kenneth Muldrew
Isabel Novella
Kevin Pan
Michael Rees
Dorothea Sawicki
Stanislaw Stepkowski
Akira Takashima
Julie Westerink
Mark Wooten
Randall Worth
John Wryobeck